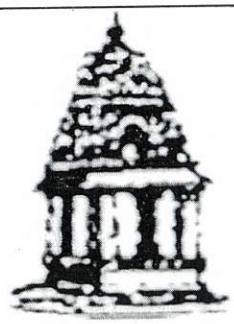


BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : **Desilting of drains Construction of tank and providing pumpset for De-Watering in flood areas in ward no 06, Byatarayanapura Sub Division**

Estimated Cost : 40.00 Lakhs

ಅಂದಾಜು ಪಟ್ಟಿಯ ವರದಿ

ವಿಷಯ: ವಾರ್ಡ್ ನಂ. 06(ಥಣಿಸಂದ್ರ) ವ್ಯಾಪ್ತಿಯಲ್ಲಿ Desilting of drains and Construction of tank and providing pumpsets for dewatering in ward no 06 ಕಾಮಗಾರಿಗೆ ಅನುಮೋದನೆ ನೀಡುವ ಕುರಿತು.

ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ವಾರ್ಡ್ ನಂ. 06(ಥಣಿಸಂದ್ರ) ವ್ಯಾಪ್ತಿಯ Desilting of drains and Construction of Sump and providing pumpsets for dewatering in ward no 06 (Thanisandra) ಕಾಮಗಾರಿಗೆ ರೂ. 40.00 ಲಕ್ಷಗಳ ಅಂದಾಜು ಮೊತ್ತದಲ್ಲಿ 2022-23 ನೇ ಸಾಲಿನ ಆಯವ್ಯಯದ ಲೆಕ್ಕಶಿರ್ಷಿಕೆ ಪಿ-3726ರ ಕಾಮಗಾರಿ ಕ್ರಿಯ ಯೋಜನಾ ಪಟ್ಟಿಯಲ್ಲಿ ಕಾಮಗಾರಿಯನ್ನು ನಿರ್ವಹಿಸಲು ಅವಕಾಶ ಕಲ್ಪಿಸಲಾಗಿರುತ್ತದೆ.

ಅದರಂತೆ ವಾರ್ಡ್ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಮಳೆಗಾಲದಲ್ಲಿ ತಗ್ಗು ಪ್ರದೇಶದಲ್ಲಿ ನೀರು ಸಂಗ್ರಹವಾಗುವ ಪ್ರದೇಶಗಳಲ್ಲಿ ತಾತ್ಕಾಲಿವಾಗಿ ಸಂಗ್ರಹವಾಗಿರುವ ಮಳೆ ನೀರನ್ನು ಸಂಪ್ ಟ್ಯಾಂಕ್ ನಿರ್ಮಾಣ ಮಾಡಿ ನೀರನ್ನು ಹೊರಹಾಕಲು ವ್ಯವಸ್ಥೆ ಕಲ್ಪಿಸಲು ಸಂಪ್ ಟ್ಯಾಂಕ್ ನಿರ್ಮಾಣ ಮಾಡಿ ಮೋಟಾರ್ ಇತ್ಯಾದಿ ಕೆಳಕಂಡ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ಈ ಕೆಳಕಂಡ ಐಟಂಗಳನ್ನು ಅಳವಡಿಸಿ ತಯಾರಿಸಲಾಗಿರುತ್ತದೆ.

1. ತಗ್ಗು ಪ್ರದೇಶಗಳಲ್ಲಿ ನೀರು ತುಂಬವ ಪ್ರದೇಶಗಳಲ್ಲಿ ಸಂಪ್ ಟ್ಯಾಂಕ್ ನಿರ್ಮಾಣ ಮಾಡುವುದು.
2. ನೀರನ್ನು ಹೊರಸಾಗಿಸಲು ಪಂಪು ಮತ್ತು ಮೋಟರ್ ಒದಗಿಸುವುದು.
3. ಎಂ.ಎಸ್ ಬಾಕ್ಸ್ ಒದಗಿಸುವುದು.
4. ಎಲ್.ಟಿ.ಯು.ಜಿ ಕೇಬಲ್ ಒದಗಿಸುವುದು.
5. ಪಿ.ವಿ.ಸಿ ಕೇಬಲ್ ಅಳವಡಿಸುವುದು. ಇತ್ಯಾದಿ ಅವಶ್ಯಕ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ತಯಾರಿಸಲಾಗಿದೆ.

ಮೇಲ್ಕಂಡ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ಬೆಂಗಳೂರು ವೃತ್ತ, ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ, 2021-22, Vol-1, 2, 3 and CSR 2018-19 and Data Rate ದರಗಳನ್ನು ಹಾಗೂ ಅನುಮೋದಿತ ದರಗಳನ್ನು ಅಳವಡಿಸಿ ತಯಾರಿಸಲಾಗಿರುತ್ತದೆ. ಸದರಿ ಅಂದಾಜು ಪಟ್ಟಿಗೆ 2022-23ನೇ ಸಾಲಿನ ಅನುದಾನದ ಲೆಕ್ಕ ಶಿರ್ಷಿಕೆ ಪಿ-3726ರ ಅಡಿಯಲ್ಲಿ ಅನುಮೋದಿಸಿ, ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ, ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿ ಕಾಮಗಾರಿಯನ್ನು ತುರ್ತಾಗಿ ಕೈಗೊಳ್ಳಬೇಕಾಗಿರುವುದರಿಂದ ಟೆಂಡರ್ ಕರೆದು ಗುತ್ತಿಗೆದಾರರನ್ನು ನೇಮಿಸಿ ಕಾರ್ಯದೇಶ ನೀಡಲು ಈ ಮೂಲಕ ತಮ್ಮಲಿ ಕೋರಲಾಗಿದೆ.

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-26

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE, BYATRAYANPURA DIVISION

Name of Work: Desilting of drains Construction of tank and providing pumpset for De-Watering in flood areas in ward no 06, Byatarayanapura Sub Division

1.Sump

Sl No	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
1	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m (PWD SR 2021-22 Vol -I Pg 5 item No. 1.4.1)								
a	For Dewatering sump								
	Fatima Layout	cum	1	4.00	7.50	2.45	73.50		
	Defence Layout-2nd cross		1	4.00	7.00	2.45	68.60		
	Dynasty layout - 2nd main		1	4.30	7.30	2.45	76.91		
	Inlets		3	2.50	1.50	1.00	11.25		
b	RCC drain								
	Fatima Layout	Cum	1	25.00	1.10	0.90	24.75		
			1	32.00	1.10	0.90	31.68		
	Defence Layout-2nd cross		1	25.00	1.10	0.90	24.75		
	Dynasty layout - 2nd main		1	58.00	1.10	0.90	57.42		
c	For culverts								
	Fatima layout		1	6.00	1.50	1.00	9.00		
			1	7.00	1.50	1.00	10.50		
	Defence Layout-2nd cross		1	7.00	1.50	1.00	10.50		
d	For drain desilting		2	180.00	0.60	0.45	97.20		
			2	150.00	0.60	0.45	81.00		
			2	180.00	0.60	0.45	97.20		
							674.26	213.90	**144223.25**
	Basic rate	186.00							
	Add 5 % for dewatering	9.30							
	Area weightage 10%	18.60							
	Total	213.90							
2	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. (PWD SR 2021-22 Vol -2 CORRIGENDA,item No. 6.4)								
	For sump								
	Fatima Layout	cum	1	4.00	7.50	0.30	9.00		
	Defence Layout-2nd cross		1	4.00	7.00	0.30	8.40		
	Dynasty layout - 2nd main		1	4.30	7.30	0.30	9.42		

Sl No	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
							26.82	2817.10	**75546.17**
	Basic rate	2561.00							
	Area weightage 10%	256.1							
	Total	2817.1							
3	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates. Specification (PWD SR 2021-22 Vol -I Pg 15 item no 2.1.3)								
a	For sump								
	Fatima Layout	cum	1	4.00	7.50	0.20	6.00		
	Defence Layout-2nd cross		1	4.00	7.00	0.20	5.60		
	Dynasty layout - 2nd main		1	4.30	7.30	0.20	6.28		
	Inlets		3	2.50	1.50	0.15	1.69		
b	For drain								
	Fatima Layout	Cum	1	25.00	1.10	0.15	4.13		
			1	32.00	1.10	0.15	5.28		
	Defence Layout-2nd cross		1	25.00	1.10	0.15	4.13		
	Dynasty layout - 2nd main		1	58.00	1.10	0.15	9.57		
c	For culverts								
	Fatima layout		1	6.00	1.50	0.15	1.35		
			1	7.00	1.50	0.15	1.58		
	Defence Layout-2nd cross		1	7.00	1.50	0.15	1.58		
							47.17	6109.40	**288152.91**
	Basic rate	5554.00							
	Area weightage 10%	555.40							
	Total	6109.40							
4	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (PWD SR 2021-22 Vol -II Pg 17 item no 6.32)								
	For sump								
	Fatima layout- Long wall	Sqm	4	7.00		1.80	50.40		
	short wall		4	2.70		1.80	19.44		
	Defence Layout-2nd cross		4	6.60		1.80	47.52		
			4	2.80		1.80	20.16		
	Dynasty layout - 2nd main		4	6.80		1.80	48.96		
			4	3.00		1.80	21.60		
	Inlets		3	2.50		1.00	7.50		

Sl No	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
			1	5.00		1.00	5.00		
			1	2.50		1.00	2.50		
			1	3.50		1.00	3.50		
	for wall		1	1.00		1.20	1.20		
							227.78	1315.60	**299667**.37
	Basic rate	1196.00							
	Area weightage 10%	119.60							
	Total	1315.60							
5	Providing Flush / Ruled/ Struck or weathered pointing Pointing on brick work or brick flooring with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineerin- charge .(PWD SR 2021-22 Vol -II Pg 44 item no 8.17.1)								
a	Fatima layout- Long wall	sqm	2	6.20		1.80	22.32		
			2	2.70		1.80	9.72		
b	Defence Layout-2nd cross		2	6.60		1.80	23.76		
			2	2.80		1.80	10.08		
c	Dynasty layout - 2nd main		2	6.80		1.80	24.48		
			2	3.00		1.80	10.80		
	Inlets		3	2.50		1.00	7.50		
			1	5.00		1.00	5.00		
			1	2.50		1.00	2.50		
			1	3.50		1.00	3.50		
	for wall		2	1.00		1.20	2.40		
							122.06	151.80	**18528**.71
	Basic rate	138.00							
	Area weightage 10%	13.80							
	Total	151.80							
6	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with 20% partial replacement with Recycled concrete aggregate (RCA). (PWD SR 2021-22 Vol -I Pg 15 item no 2.2.2.1)								
	For sump								
a	Fatima layout-	Cum	1	3.50	7.05	0.15	3.70		
b	Defence Layout-2nd cross		1	6.60	3.60	0.15	3.56		
c	Dynasty layout - 2nd main		1	6.80	3.80	0.15	3.88		
	for bottom concrete		1	6.20	3.50	0.15	3.26		
			1	5.80	3.60	0.15	3.13		
			1	6.00	3.80	0.15	3.42		

Sl No	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
							20.95	7892.28	**165329**.45
	Basic rate	5979.00							
	Add 20% For Shuttering	1195.80							
	Sub Total	7174.80							
	Area weightage 10%	717.48							
	Total	7892.28							
7	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately) (PWD SR 2021-22 Vol -I Pg 17 item no 2.4.2)								
a	Drain Bottom Raft	Cum							
	Fatima Layout		1	25.00	1.05	0.15	3.94		
			1	32.00	1.05	0.15	5.04		
	Defence Layout-2nd cross		1	25.00	1.05	0.15	3.94		
	Dynasty layout - 2nd main		1	58.00	1.05	0.15	9.14		
	Side Wall								
	Fatima Layout	Cum	2	25.00	0.15	0.70	5.25		
			2	32.00	0.15	0.70	6.72		
	Defence Layout-2nd cross		2	25.00	0.15	0.70	5.25		
	Dynasty layout - 2nd main		2	58.00	0.15	0.70	12.18		
b	For culverts bottom concrete								
	Fatima layout		1	6.00	1.50	0.15	1.35		
			1	7.00	1.50	0.15	1.58		
	Defence Layout-2nd cross		1	7.00	1.50	0.15	1.58		
	side wall								
	Fatima layout		2	6.00	0.30	0.70	2.52		
			2	7.00	0.30	0.70	2.94		
	Defence Layout-2nd cross		2	7.00	0.30	0.70	2.94		
	Basic rate	5968.00					**64.35**	6893.04	**443567**.12
	Add 5% for Shuttering	298.40							
		6266.40							
	Area weightage 10%	626.64							
	Sub Total	6893.04							

Sl No	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
8	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately). (PWD SR 2021-22 Vol -II Pg 84 item no 11.32)								
	For Sump roof slab	Cum					20.95		
		kg	Steel assumed 120 Kg/Cum of Concrete				2513.79		
	Basic rate	96.00							
	Area weightage 10%	9.60							
	Total	105.60					**2513.79**	105.6	**265456**.22
9	Supplying, Fitting and Placing TMT Fe550 bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200 (PWD SR 2021-22 Vol -III Pg 99 item no 13.1)								
	For Drain	Cum					64.35		
		kg	Steel assumed 60Kg/Cum of				3861.00		
		tonne					**3.86**	101387.00	**391455**.21
	Basic rate	92170.00							
	Area weightage 10%	9217.00							
	Sub Total	101387.00							
10	Providing and Fixing pre cast covering Slab 100mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate)								
	Fatima Layout	sqm	1	25.00	0.90		22.50		
			1	32.00	0.90		28.80		
	Defence Layout-2nd cross		1	25.00	0.90		22.50		
	Dynasty layout - 2nd main		1	58.00	0.90		52.20		
	missing slabs		2	15.00	0.90		27.00		
							153.00	2072.00	**317016**.00
	Data rate	2072.00							
11	Providing and Fixing Pre cast covering Slab 230mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate)								
	Fatima layout		1	6.00	1.20		7.20		
			1	7.00	1.20		8.40		
	Defence Layout-2nd cross		1	7.00	1.20		8.40		
	Data rate	5037.00					24.00	5037.00	**120888**.00
	Total								

Sl No	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
12	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3) (PWD SR 2021-22 Vol-III Page No.3, Item No.1.1C)								
	Excavated Earth	Cum	From Item No.1				**674.26**	81.40	**54884.40**
	Basic rate	74.00							
	Area weightage 10%	7.40							
	Total	81.40							
13	Cost of Haulage Excluding Loading and Unloading Taking output 18 t load and lead 10 km = 180 t.km (PWD SR 2021-22 Vol-III Page No.3, Item No.1.4B)								
	Qty frm Item No-5	t.Km					**674.26**	115.50	**77876.51**
	Basic rate	105.00							
	Area weightage 10%	10.50							
	Total	115.50							
	Pump and accessories								
14	Providing Lubi make 10 HP 3 Phase dewatering submersible pump with outlet 4" (As per market rate)								
	10 hp	No	1				1	106525.00	**106525.00**
15	Providing Lubi make 15 HP 3 Phase dewatering submersible pump with outlet 6" LHP 61535 @ 8 mtrs 240 m3/hr=4000lpm (As per market rate)								
	15 HP	No	2				**2**	191550.00	**383100.00**
16	Providing and fixing MS cover with frame made up of L angle of size 1.20 mx1.20 m (market rate)								
		No	3				**3**	15000.00	**45000.00**
17	Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges,tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work. (PWD SR 2021-22 Vol-V Page No.163, Item No.38)								
		Job	3				3	6334.50	**19004.00**
	Basic Rate	6150.00							
	3% Area Weightage	184.50							
	Total	6334.50							
18	Supplying PVC ringtite pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading unloading at both destinations and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approved type, with all labour with all lead & lift including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (Contractor will make his own arrangements for procuring water for testing) etc. for:(Water supply & UGD works common shedule of rate 2021-22 Vol-V Page No 134, Item No.1.90)								

Sl No	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
	PVC pipes 110mm dia., 6 kg/sqcm & class 3 m	mtr	1	15.00			15.00	394.00	**5910**.00
19	PVC pipes 160mm dia., 6 kg/sqcm & class 3	mtr	2	15.00			**30.00**	599.00	**17970**.00
20	Supply and delivery at site special moulded variety PVC elbows as per IS 7834/ 1987 and fabricated as per IG124/ 1984 with ISI mark with its latest amendments (Water supply & UGD works common shedule of rate 2021-22 Vol-V Page No 37, Item No. 7)								
	110 mm dia PVC Elbows	No	3				**3**	315.00	**945**.00
21	160 mm dia PVC Elbows	No	6				**6**	491.00	**2946**.00
22	Supply and delivery at site special moulded variety PVC couplers as per IS 7834/ 1987 and fabricated as per IG124/ 1984 with ISI mark and with its latest mendments (Water supply & UGD works common shedule of rate 2021-22 Vol-V Page No 136, Item No. 6)								
	110mm dia PVC couplers	No	3				**3**	178.00	**534**.00
23	160mm dia PVC couplers	No	6				**6**	349.00	**2094**.00
24	Supply and delivery at site GM (copper alloy) gate valves confirming to Class-I as per IS 778 with latest amendments, 1 No. screwed in bonnet inside screw, rising spring spindle integral seat screwed females ends confirming to IS 554/ 1990 body hydraulically tested 1.5HP seat standard tested 1 HP with IS mark.(Water supply & UGD works common shedule of rate 2021-22 Vol-V Page No 147, Item No. 16)								
	For 100 mm dia GM (Copper alloy) Gate valves	No	2				**2**	1962.00	**3924**.00
25	For 150 mm dia GM (Copper alloy) Gate valves	No	4				**4**	2622.00	**10488**.00
26	Supplying of 1.1KV LT UG cable XPLE or heat resistant PVC Insulated PVC eatruded inner sheath armoured UG LT cable as per IS -1554(Part-1) or IS-7098 Part-1,Armouring strip thickness in average +5% and resistivity 14ohms/kms(max) as per IS -3975 4 core 16sqmm (Ele SR 2019-20 P-No 40 I/No-6.4.4)								
	Fatima layout	Rmtr	1	20.00			20.00		
	Defence layout		2	20.00			40.00		
							60.00	150.00	**9000**.00
27	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stone pipe / on wall/ on pole as required 6 sqmm to 16 sqmm. (Ele SR OF 2019-20 P-No 41 I/No-6.5.1)								
	Fatima layout	Rmtr	1	20.00			20.00		
	Defence layout		2	20.00			40.00		
							60.00	11.88	**712**.80
28	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to13:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 V as per IS-694:2010. 3C x 6 mm2 (PWD Electrical SR 2022-23 Vol-VI Page No.4, Item No.2.6.4)								
	Fatima layout	Mtr	1	20.00			20.00		
	Defence layout		2	20.00			40.00		

Sl No	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
							60.00	242.00	**14520**.00
29	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixing to the existing wooden board for motor Above 12.5 HP upto 25 HP (PWD Electrical SR 2022-23 Vol-VI Page No.10, Item No.5.2.2)								
		Each	3				**3**	8640.00	**25920**.00
30	Fabricating supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clA with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete. (PWD Electrical SR 2022-23 Vol-VI Page No.15, Item No.5.42.2)								
	Outdoor box	sq.cm	3	1100.00	20.00		**66000**	0.38	**25080**.00
31	Labour charges for erection of outdoor type panel board and meter board units all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions of engineer incharge of work. (PWD SR 2021-22 Vol-V Page No.163, Item No.40)								
		Job	1				**1**	1390.50	**1390**.50
	Basic Rate	1350.00							
	3% Area Weightage	40.50							
	Total	1390.50							
32	Supply and fixing polished wood board made of not less than 15mm thick plankn both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws 20" x 20" x 2.5" (PWD Electrical SR 2022-23 Vol-VI Page No.4, Item No.5.6.6)								
		Nos	3				**3**	315.00	**945**.00
								Total	**3338600**.00
33	Add Bescom charges	LS	3				**3**	20000.00	**60000**.00
								Grand Total	**3398600**.00
								GST Charges (18% of estimated cost)	600948.0
								Miscellanous and rounding off	452.00
								Grand Total Rs	**4000000**.00

Administrative Approval
Accorded For RS&O Lakh
Head of A/C
CER NO : 15 Dt: 20.08.22
EE (CIVIL)

Technical Sanction
Accorded For RS&O Lakhs only
Head of A/C
CER NO : 53 Dt: 20.08.22
EE

CERTIFICATE:

1) The work spot has been inspected and found to be necessary

2) The work spot comes under B.B.M.P

3) The provisions made in the estimate are necessary and minimum.

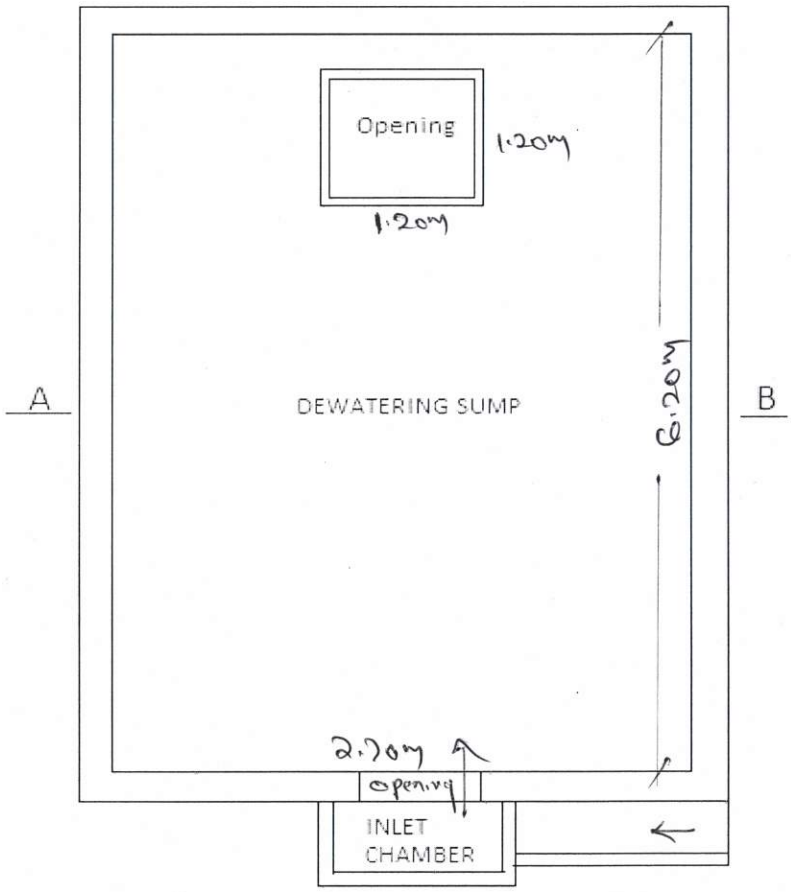
4) The estimate is based on, PWD SR 2021-22 Vol I, II, III, IV, V and C.S.R of 2018-2019, and Data rates, PWD Electrical 2019-20,PRED 2019-20, SE-RDED approved Rate and Issused Rates.

Assistant Engineer
BBMP

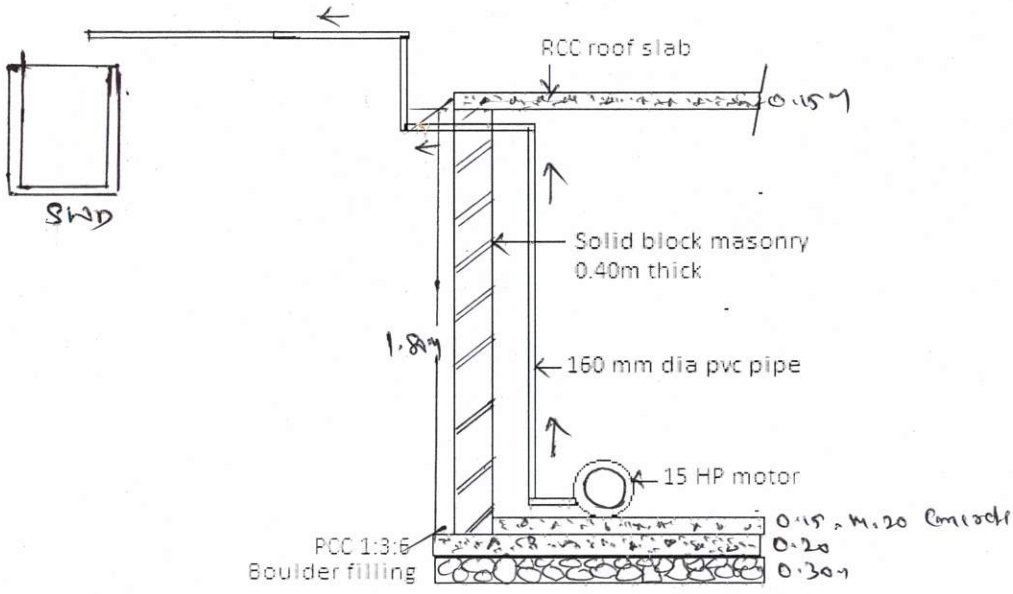
Assistant Executive Engineer
Byataraynapura sub Division BBMP

Executive Engineer
Byataraynapura Division,
BBMP

Name of work : **Desilting of drains, construction of tank and providing pump sets for Dewatering in flood areas in ward no 06, Byatarayanpura sub division**



PLAN



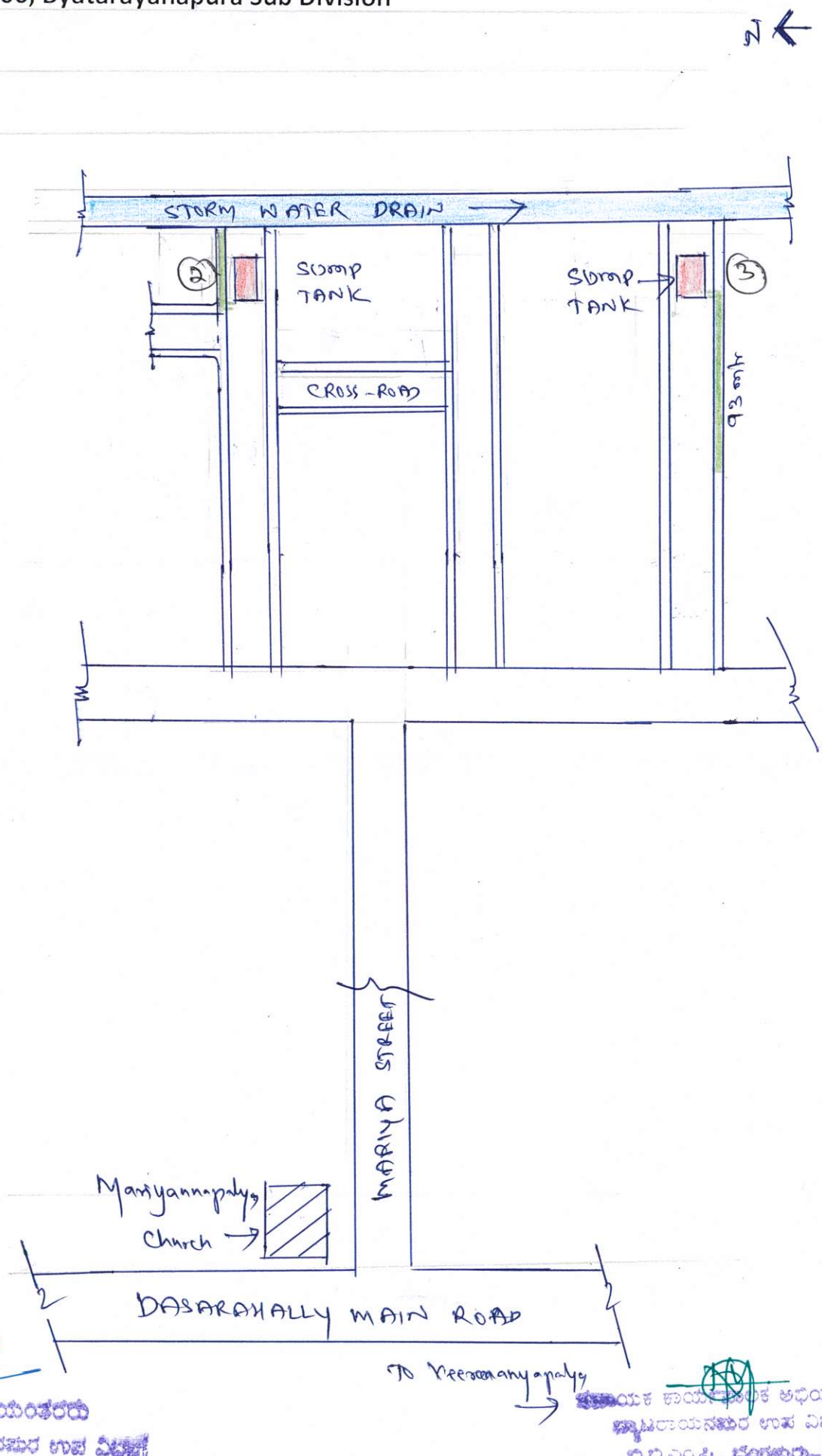
CROSS SECTION ON AB

Assistant Engineer
Ward no 06

Assistant Executive Engineer
Byatrayanpura sub division

Name of Work

Desilting of drains Construction of tank and providing pumpsets for dewatering in flood areas in ward no 06, Byatarayanapura Sub Division

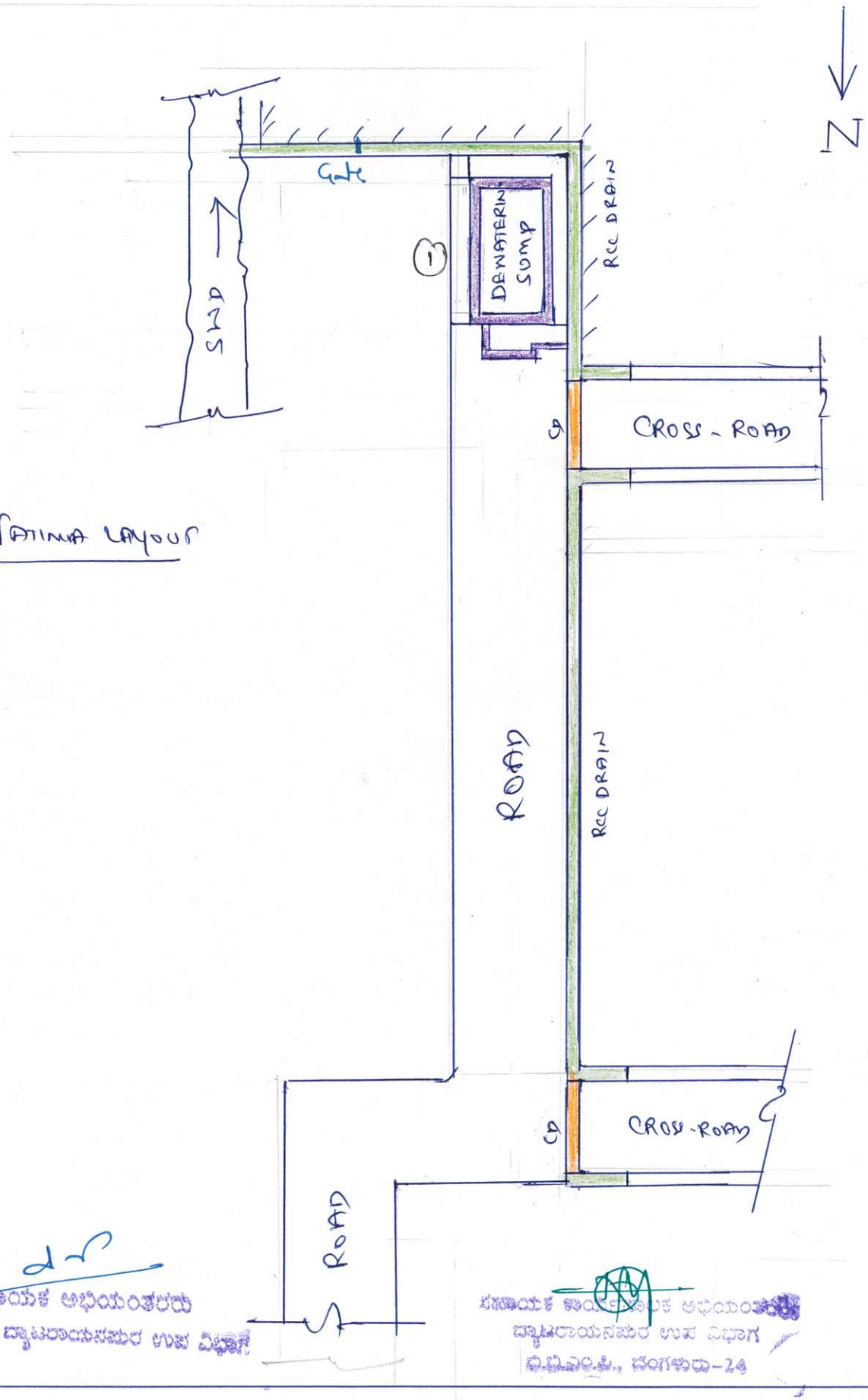


ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-26

Nameof work.

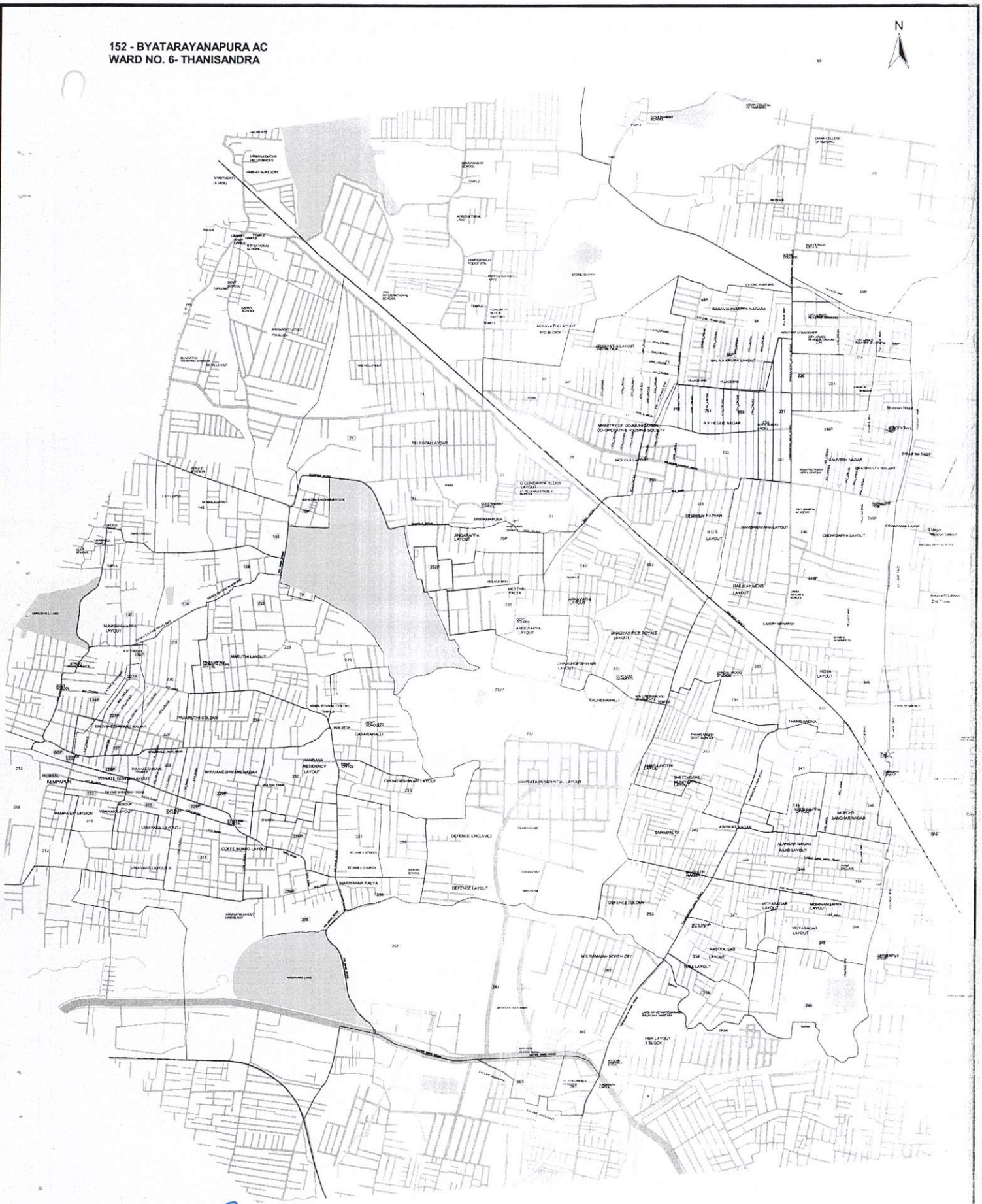
Desilting of drains Construction of tank and providing pumpsets for dewatering in flood areas in ward no 06, Byatarayanapura Sub Division



ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26

152 - BYATARAYANAPURA AC
WARD NO. 6- THANISANDRA



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ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24